

## EAST Search History

| Ref # | Hits | Search Query   | DBs                            | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--------------------------------|------------------|---------|---------------------|
| S1    | 1    | ("6029302").PN.  | US-PGPUB;<br>USPAT             | OR               | OFF     | 2007/10/31<br>12:55 |
| S2    | 5    | ("2172636"   "2948143"  <br>"4185809").PN. OR<br>("6029302").URPN. | US-PGPUB;<br>USPAT; USOCR      | ADJ              | ON      | 2007/10/31<br>12:55 |
| S3    | 1    | ("20060102650").PN.  | US-PGPUB;<br>USPAT             | OR               | OFF     | 2007/10/31<br>13:51 |
| S4    | 2    | ("20060102650").PN.  | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | OFF     | 2007/10/31<br>13:51 |
| S5    | 0    | cleaning "pig\$1line" "pig<br>station"                             | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:54 |
| S6    | 0    | "pig\$1line" "pig station"   | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:54 |
| S7    | 15   | "pig station"  | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:54 |
| S8    | 8    | S7 and paint   | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:54 |
| S9    | 0    | "pig\$1line" and "pig<br>station"                                  | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:57 |
| S10   | 0    | "pig\$1line" and paint   | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:57 |
| S11   | 0    | "pigline" and paint  | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:57 |
| S12   | 0    | pigline  | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:57 |
| S13   | 136  | pig line   | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:57 |
| S14   | 7    | (pig line) and paint   | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:57 |
| S15   | 104  | scrapper and paint   | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:58 |
| S16   | 4    | scrapper.clm. and paint  | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:58 |
| S17   | 330  | scraper.clm. and paint   | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>13:58 |
| S18   | 136  | (pig line)   | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>14:05 |
| S19   | 15   | pig station  | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>14:05 |
| S20   | 0    | pig "cleaning agent"   | US-PGPUB;<br>USPAT             | ADJ              | ON      | 2007/10/31<br>14:11 |

|     |     |   |                                |     |     |                     |
|-----|-----|---|--------------------------------|-----|-----|---------------------|
| S21 | 170 | pig and "cleaning agent"  | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>14:11 |
| S22 | 180 | pig and "cleaning agent"  | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON  | 2007/10/31<br>14:11 |
| S23 | 10  | pig and "cleaning agent"  | DERWENT                        | ADJ | ON  | 2007/10/31<br>14:12 |
| S24 | 4   | S21 and two pigs  | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>14:14 |
| S25 | 1   | "20020064601"   | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>14:16 |
| S26 | 2   | ((("5882428") or<br>("6037010"))).PN.   | US-PGPUB;<br>USPAT             | OR  | OFF | 2007/10/31<br>14:23 |
| S27 | 13  | "134".clas. and (two pigs)  | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>15:02 |
| S28 | 0   | "134".clas. and pig and<br>celaning agent   | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>15:03 |
| S29 | 7   | "134".clas. and pig and<br>cleaning agent   | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>15:03 |
| S30 | 170 | pig and cleaning agent  | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>15:04 |
| S31 | 32  | pig and (cleaning agent)<br>and paint   | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>15:05 |
| S32 | 307 | pig and cleaning and paint  | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>15:06 |
| S33 | 8   | pig and paint and (pig<br>station)  | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>15:06 |
| S34 | 18  | pig and paint and (two<br>pig)  | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>15:07 |
| S35 | 3   | ("4390126"   "6582774"  <br>"6589348").PN.  | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>15:14 |
| S36 | 9   | ((("6061872") or<br>("6339864") or<br>("6532626") or<br>("6615452") or<br>("6757939") or<br>("6715180") or<br>("6925682") or<br>("7075053") or<br>("7244006"))).PN. | US-PGPUB;<br>USPAT             | OR  | OFF | 2007/10/31<br>15:29 |
| S37 | 65  | 137/15.05.ocls.   | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>15:59 |
| S38 | 4   | S37 and pig   | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>16:00 |
| S39 | 8   | S37 and pig\$   | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>16:01 |
| S40 | 2   | S37 and "cleaning agent"  | US-PGPUB;<br>USPAT             | ADJ | ON  | 2007/10/31<br>16:01 |

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|-----|------|--|--------------------|-----|----|---------------------|
| S41 | 86   | 137/15.04.ccls.  | US-PGPUB;<br>USPAT | ADJ | ON | 2007/10/31<br>16:03 |
| S42 | 7    | S41 and pig\$  | US-PGPUB;<br>USPAT | ADJ | ON | 2007/10/31<br>16:03 |
| S43 | 688  | "137".clas. and pig\$  | US-PGPUB;<br>USPAT | ADJ | ON | 2007/10/31<br>16:05 |
| S44 | 7    | "137".clas. and pig\$ and<br>"cleaning agent"                        | US-PGPUB;<br>USPAT | ADJ | ON | 2007/10/31<br>16:05 |
| S45 | 186  | "137".clas. and pig\$ and<br>cleaning                                | US-PGPUB;<br>USPAT | ADJ | ON | 2007/10/31<br>16:07 |
| S46 | 41   | "137".clas. and pig\$ and<br>cleaning.clm.                           | US-PGPUB;<br>USPAT | ADJ | ON | 2007/10/31<br>16:07 |
| S47 | 5    | 118/684.ccls. and pig  | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/01<br>09:14 |
| S48 | 1017 | galloway.in.   | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/01<br>16:08 |
| S49 | 1    | S48 and velocity and pig   | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/01<br>16:08 |
| S50 | 30   | "pig speed"  | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/01<br>16:09 |
| S51 | 3137 | pig and speed and<br>compressed                                      | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/01<br>16:13 |
| S52 | 148  | pig.clm. and speed and<br>compressed                                 | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/01<br>16:13 |
| S53 | 68   | pig.clm. and (speed or<br>velocity) and (compressed<br>(gas or air)) | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/01<br>16:13 |
| S54 | 0    | cleaning adj2 pig station  | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/05<br>11:45 |
| S55 | 11   | cleaning and ( pig station)  | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/05<br>11:46 |
| S56 | 4    | cleaning same( pig<br>station)                                       | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/05<br>11:47 |
| S57 | 2    | flushing same( pig station)  | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/05<br>11:50 |
| S58 | 1    | electrode and (pig station)  | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/05<br>12:08 |
| S59 | 42   | electrode same pig same<br>distance                                  | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/05<br>12:08 |
| S60 | 1    | electrode and (pig same<br>(minimum distance))                       | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/05<br>12:11 |
| S61 | 114  | electrode and (pig same<br>distance)                                 | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/05<br>12:12 |
| S62 | 0    | notL9 and electrode and<br>(pig same distance)                       | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/05<br>12:12 |
| S63 | 0    | notL9 and electrode and<br>(pig same distance)                       | US-PGPUB;<br>USPAT | ADJ | ON | 2007/11/05<br>12:12 |

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| S64 | 72   | not S59 and electrode and (pig same distance)                              | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>12:12 |
| S65 | 3    | S64 and paint  | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>12:13 |
| S66 | 241  | electrode and pig and paint  | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>12:15 |
| S67 | 1    | electrode and (pig station) and paint                                      | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>12:15 |
| S68 | 1    | electrode and (pig line) and paint   | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>12:15 |
| S69 | 12   | electrode and pig and paint.clm.   | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>12:15 |
| S70 | 1021 | 134/22.12  | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>15:31 |
| S71 | 675  | 134/22.12.ccls.  | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>15:31 |
| S72 | 39   | S71 and pig  | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>15:31 |
| S73 | 1693 | 134/40.ccls.   | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>15:32 |
| S74 | 9    | 134/40.ccls. and pig   | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/05<br>15:32 |
| S75 | 54   | paint.ti. and electrode.clm.   | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/08<br>12:27 |
| S76 | 1    | paint.ti. and electrode.clm. and pig                                       | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/08<br>12:27 |
| S77 | 54   | paint.ti. and electrode.clm.   | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/08<br>12:28 |
| S78 | 7    | paint.ti. and electrode and pig  | US-PGPUB;<br>USPAT             | ADJ | ON | 2007/11/08<br>12:28 |
| S79 | 7    | ("3562014"   "4416703"   "5192595"   "5632822"). PN. OR ("5882428"). URPN. | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:20 |
| S80 | 156  | cleaning and pig and (return path)   | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:22 |
| S81 | 1    | cleaning and (pig with (return path))                                      | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:22 |
| S82 | 105  | cleaning and (pig with (return))   | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:22 |
| S83 | 5    | cleaning with pig with return  | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:23 |
| S84 | 7    | pig with (return path)   | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:24 |
| S85 | 496  | scraper and "return path"  | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/03/31<br>11:25 |

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| S86  | 32 | scraper and "return path" with clean\$3  | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/03/31<br>11:25 |
| S87  | 0  | Gawne-Lawrence.in.   | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/03/31<br>11:32 |
| S88  | 2  | Gawne-Lawrence-\$.in.  | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/03/31<br>11:32 |
| S89  | 32 | paint.ti. and cleaning and pig   | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/03/31<br>11:32 |
| S90  | 4  | paint.ti. and cleaning and (pig with return)   | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/03/31<br>11:33 |
| S91  | 6  | paint.ti. and (cleaning with return) and pig   | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/03/31<br>11:33 |
| S92  | 47 | paint.ti. and (cleaning with return)   | US-PGPUB;<br>USPAT;<br>DERWENT | ADJ | ON | 2008/03/31<br>11:33 |
| S93  | 6  | ("4785836"   "5174317"   "5699817"   "5704381"   "6003530"   "6569258"). PN. OR ("7156112"). URPN. | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:35 |
| S94  | 7  | (residual paint) with disposed   | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:41 |
| S95  | 1  | (residual paint) with pig  | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:43 |
| S96  | 0  | (residual paint)iwth out   | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:43 |
| S97  | 57 | (residual paint) with out  | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:43 |
| S98  | 27 | (residual paint) with discharge\$3   | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:49 |
| S99  | 28 | (residual paint) with discharg\$3  | US-PGPUB;<br>USPAT; USOCR      | ADJ | ON | 2008/03/31<br>11:50 |
| S100 | 66 | ("3348774").URPN.  | USPAT                          | ADJ | ON | 2008/03/31<br>11:57 |
| S101 | 3  | (residual paint) and pig   | USPAT                          | ADJ | ON | 2008/03/31<br>12:00 |
| S102 | 61 | (residual paint) and scrap \$3   | USPAT                          | ADJ | ON | 2008/03/31<br>12:02 |
| S103 | 8  | (residual paint) with scrap \$3  | USPAT                          | ADJ | ON | 2008/03/31<br>12:02 |

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|------|-----|--|---------------------------|-----|----|---------------------|
| S104 | 28  | ("2965114"   "5192595"   "5221047"   "5289947"   "5326031"   "5582350").<br>PN. OR ("6037010").<br>URPN. | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/03/31<br>12:04 |
| S105 | 0   | coiled particular area   | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/03/31<br>13:12 |
| S106 | 13  | increas\$3 (resistance or electrical resistance) with coiling  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/03/31<br>13:18 |
| S107 | 6   | cleaning with (two pigs)   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/03/31<br>13:22 |
| S108 | 0   | ("2006/0048814").URPN.   | USPAT                     | ADJ | ON | 2008/03/31<br>13:23 |
| S109 | 9   | clean\$3 with (two pigs)   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/03/31<br>13:23 |
| S110 | 2   | cleaning and paint.ti. and (return path)   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/03/31<br>13:25 |
| S111 | 5   | cleaning with (return path) and paint  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/03/31<br>13:26 |
| S112 | 373 | cleaning with (return) and paint   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/03/31<br>13:26 |
| S113 | 43  | cleaning with (return) and paint.ti.   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/03/31<br>13:26 |
| S114 | 7   | ("3562014"   "4416703"   "5192595"   "5632822").<br>PN. OR ("5882428").<br>URPN.                         | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/04/23<br>08:14 |
| S115 | 7   | (cleaning or flushing) with ((leading pig) or (two pigs))  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/04/23<br>08:16 |
| S116 | 12  | (cleaning or flushing) with ((return or reverse) with ( pig))  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/04/23<br>08:20 |
| S117 | 0   | "residaul paint" pig.ab.   | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/04/24<br>11:42 |
| S118 | 0   | "residaul paint" and pig.ab.   | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/04/24<br>11:42 |
| S119 | 0   | "residual paint" and pig.ab.   | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/04/24<br>11:42 |
| S120 | 7   | "residual paint" and pig   | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/04/24<br>11:43 |
| S121 | 22  | "6037010"  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/04/24<br>16:21 |
| S122 | 28  | ("2965114"   "5192595"   "5221047"   "5289947"   "5326031"   "5582350").<br>PN. OR ("6037010").<br>URPN. | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/04/24<br>16:23 |

|      |      |  |                        |     |    |                  |
|------|------|--|------------------------|-----|----|------------------|
| S123 | 17   | ((residual or remaining near paint) and pig  | US-PGPUB; USPAT        | ADJ | ON | 2008/04/24 16:24 |
| S124 | 851  | ((return\$3 or reverse) with (cleaning or flushing)) and paint   | US-PGPUB; USPAT        | ADJ | ON | 2008/04/24 16:47 |
| S125 | 0    | ((return\$3 or reverse) with (cleaning or flushing)) and paintand pig  | US-PGPUB; USPAT        | ADJ | ON | 2008/04/24 16:47 |
| S126 | 17   | ((return\$3 or reverse) with (cleaning or flushing)) and paint and pig   | US-PGPUB; USPAT        | ADJ | ON | 2008/04/24 16:47 |
| S145 | 19   | ((residual or remaining or excess) near paint) and pig   | US-PGPUB; USPAT        | ADJ | ON | 2008/04/25 07:45 |
| S146 | 1814 | ((residual or remaining or excess) near paint)   | US-PGPUB; USPAT        | ADJ | ON | 2008/04/25 07:53 |
| S147 | 81   | ((residual or remaining or excess) near paint) with dispos\$3  | US-PGPUB; USPAT        | ADJ | ON | 2008/04/25 07:53 |
| S148 | 17   | ("1806270"   "3348774"   "3450092"   "3562014"   "4113890"   "4416703"   "4592305"   "5192595"). PN. OR ("5289947"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 07:57 |
| S149 | 6    | ((residual or remaining or excess) near paint) and S148  | US-PGPUB; USPAT        | ADJ | ON | 2008/04/25 07:57 |
| S153 | 0    | (push with between pigs with (away or apart))  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:17 |
| S154 | 1    | (push with between with pigs with (away or apart))   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:17 |
| S155 | 406  | ( between with pigs with (away or apart))  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:18 |
| S156 | 41   | (introduc\$4 with pigs with (away or apart))   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:18 |
| S157 | 5    | (introduc\$4 with pigs! with (away or apart))  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:19 |
| S158 | 43   | (move with pigs! with (away or apart))   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:20 |
| S159 | 6    | (move near4 pigs! near5 (away or apart))   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:21 |
| S160 | 1    | (paint near4 pigs! near5 push)   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:22 |
| S161 | 1    | (paint near4 pigs! near5 (push or move))   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:22 |
| S162 | 1    | (introduc\$4 near4 pigs! near5 (push or move))   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/04/25 09:22 |

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|------|-----|---|--|-----|----|---------------------|
| S163 | 18  | ("4774905"   "5230842"   "5288525"   "5632816"   "6422491").PN. OR ("6589348").URPN.  | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>09:27 |
| S164 | 7   | paint.ti. and (between near4 pigs!)   | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>09:28 |
| S165 | 3   | ("4390126"   "6582774"   "6589348").PN.   | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>09:33 |
| S166 | 0   | paint.ti. (clean\$3 or flush\$3) with ((reverse or opposite) direction)   | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>09:51 |
| S167 | 23  | paint.ti. and (clean\$3 or flush\$3) with ((reverse or opposite) direction)   | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>09:51 |
| S168 | 28  | ("2965114"   "5192595"   "5221047"   "5289947"   "5326031"   "5582350").PN. OR ("6037010").URPN.  | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>10:02 |
| S169 | 94  | baumann.in. and paint   | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>10:06 |
| S170 | 42  | paint.ti. and (clean\$3 or flush\$3) with (compressed air)  | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>10:57 |
| S171 | 26  | (US-20050173018-\$ or US-20060086407-\$ or US-20060102650-\$ or US-20020064601-\$ or US-20060048814-\$ or US-20050139237-\$ or US-20040016448-\$ or US-20010013315-\$).did. or (US-5230842-\$ or US-4798474-\$ or US-5882428-\$ or US-6037010-\$ or US-6969427-\$ or US-6589348-\$ or US-6840088-\$ or US-5855062-\$ or US-7156112-\$ or US-3857513-\$ or US-6382220-\$ or US-7117877-\$ or US-7066186-\$ or US-6401768-\$ or US-5289947-\$).did. or (US-3348774-\$ or US-3458133-\$).did. or (JP-2006095495-\$).did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | ADJ | ON | 2008/04/25<br>11:10 |
| S172 | 2   | S171 and (sensor same voltage)  | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>11:10 |
| S173 | 15  | coiled with (increas\$3 with (electrical resistance))   | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>11:17 |
| S174 | 389 | coil\$3 with (increas\$3 with (electrical resistance))  | US-PGPUB;<br>USPAT; USOCR                | ADJ | ON | 2008/04/25<br>11:19 |



|      |      |  |                        |     |     |                  |
|------|------|--|------------------------|-----|-----|------------------|
| S175 | 143  | coil\$3 near5 (increas\$3 near2 (electrical resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:19 |
| S176 | 112  | coil\$3 near3 (increas\$3 near2 (electrical resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:20 |
| S177 | 87   | coil\$3 near2 (increas\$3 near2 (electrical resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:20 |
| S178 | 124  | coil\$3 near4 (increas\$3 near2 (electrical resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:22 |
| S179 | 0    | coiling near2 (electrical resistance)                    | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:24 |
| S180 | 3    | coiling near3 (electrical resistance)                    | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:24 |
| S181 | 3    | coiling near4 (electrical resistance)                    | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:24 |
| S182 | 4    | coiling near5 (electrical resistance)                    | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:24 |
| S183 | 0    | coiling near5 (provide near3 electrical resistance)      | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:25 |
| S184 | 0    | coiling with (provide near3 electrical resistance)       | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:25 |
| S185 | 0    | coiling same (provide near3 electrical resistance)       | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:25 |
| S186 | 33   | coiling with paint                                       | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:25 |
| S187 | 25   | (coiling with electric\$3) and paint                     | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:26 |
| S188 | 3377 | (coil\$3 with electric\$3) and paint                     | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:26 |
| S189 | 61   | (coil\$3 with electric\$3) and paint.ti.                 | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:26 |
| S190 | 10   | "2784350"  | US-PGPUB; USPAT; USOCR | ADJ | ON  | 2008/04/25 11:28 |
| S191 | 1    | ("4962724").PN.  | US-PGPUB; USPAT; USOCR | OR  | OFF | 2008/04/28 08:16 |

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